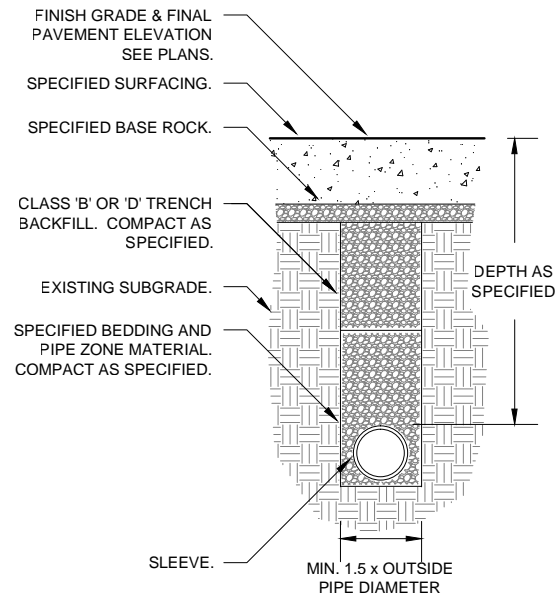
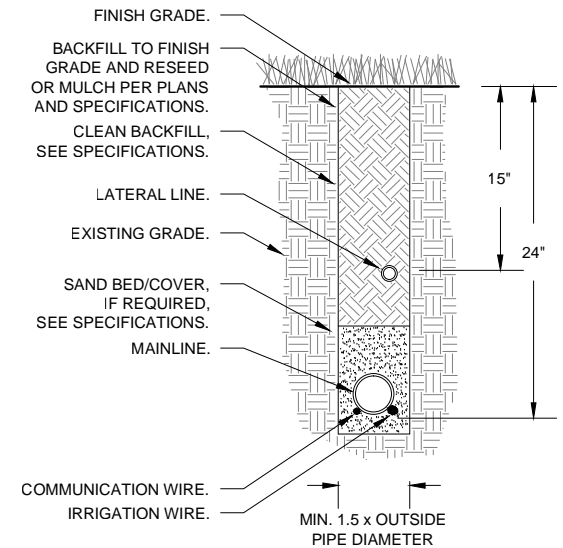


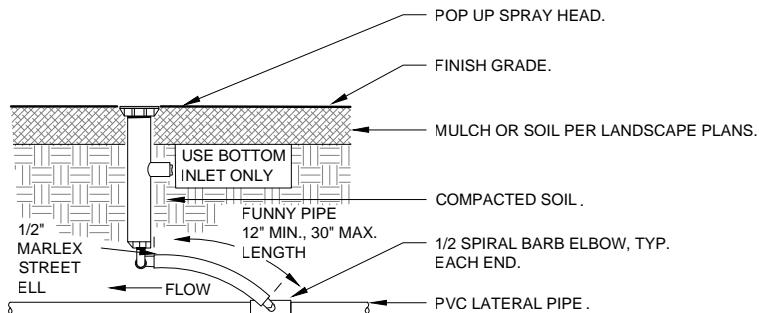
QUICK COUPLER



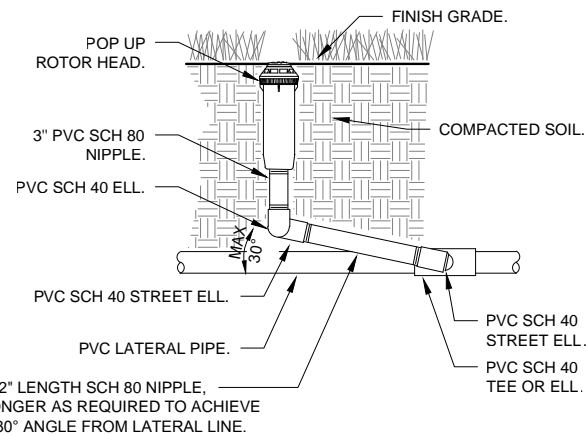
IRRIGATION SLEEVE



IRRIGATION TRENCH



SPRAY HEAD



ROTOR HEAD

NOTE:

1. USE SWING JOINT ON ALL POP-UP HEADS SIZED TO HEAD INLET. SWING JOINTS UNDER 1\"/>

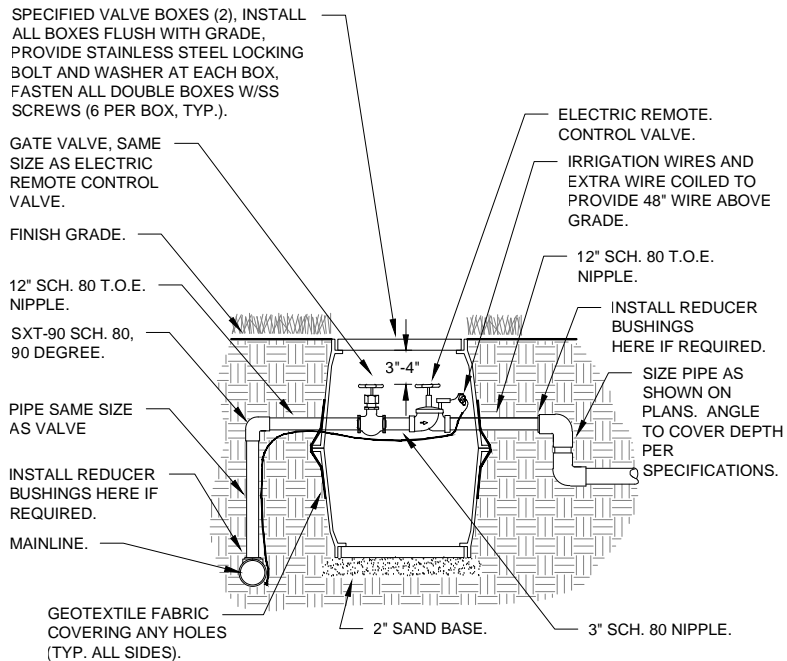
IRRIGATION HEADS

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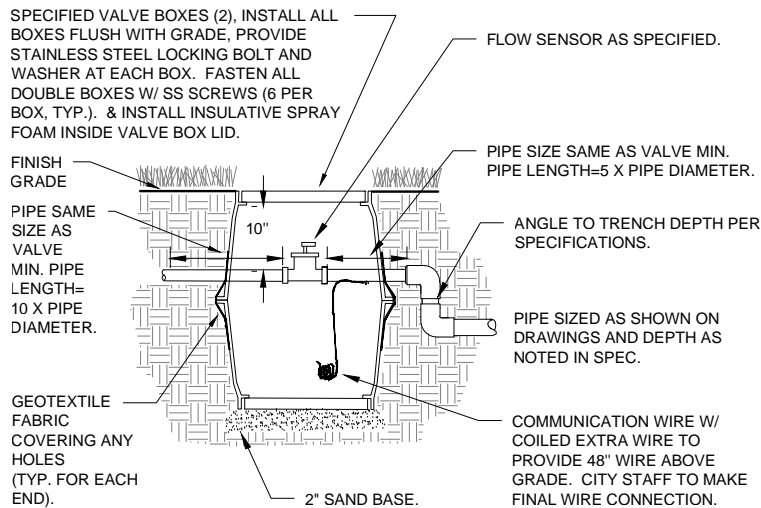


IRRIGATION INSTALLATION

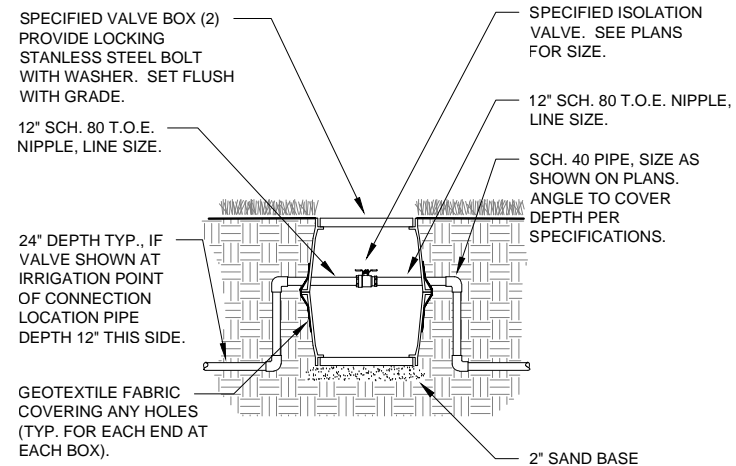
REVISIONS	
DATE	DESCRIPTION
01/15	MISC



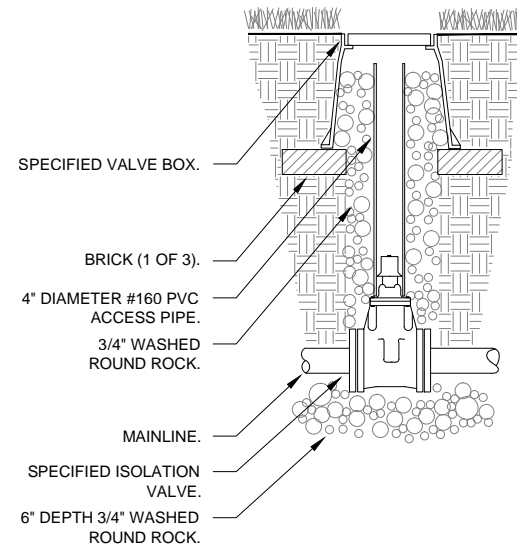
ZONE VALVE ASSEMBLY



FLOW SENSOR



ISOLATION VALVE - (2" AND UNDER)



ISOLATION VALVE - (OVER 2")

GENERAL NOTE:

1. PLACE ALL EQUIPMENT AND SURROUNDING ENCLOSURES IN UNPAVED AREAS AS POSSIBLE.
2. WHERE ENCLOSURES MUST BE PLACED IN PAVED AREAS, USE SPECIFIED TRAFFIC RATED ENCLOSURES.

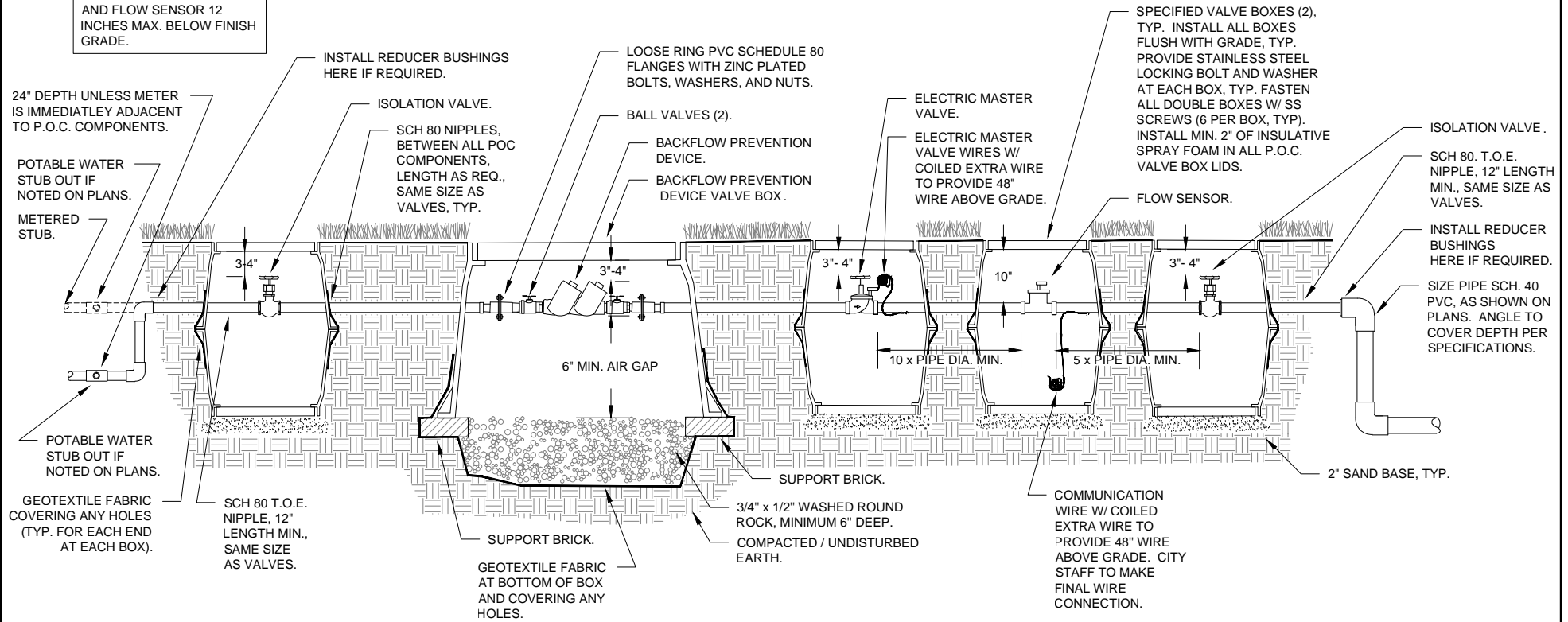
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IRRIGATION INSTALLATION

REVISIONS	
DATE	DESCRIPTION
01/15	REMOVED ANGLED VALVE, ADDED OVER 2" ISO

NOTE: INSTALL ISOLATION VALVES, BACKFLOW, ELECTRIC MASTER VALVE AND FLOW SENSOR 12 INCHES MAX. BELOW FINISH GRADE.



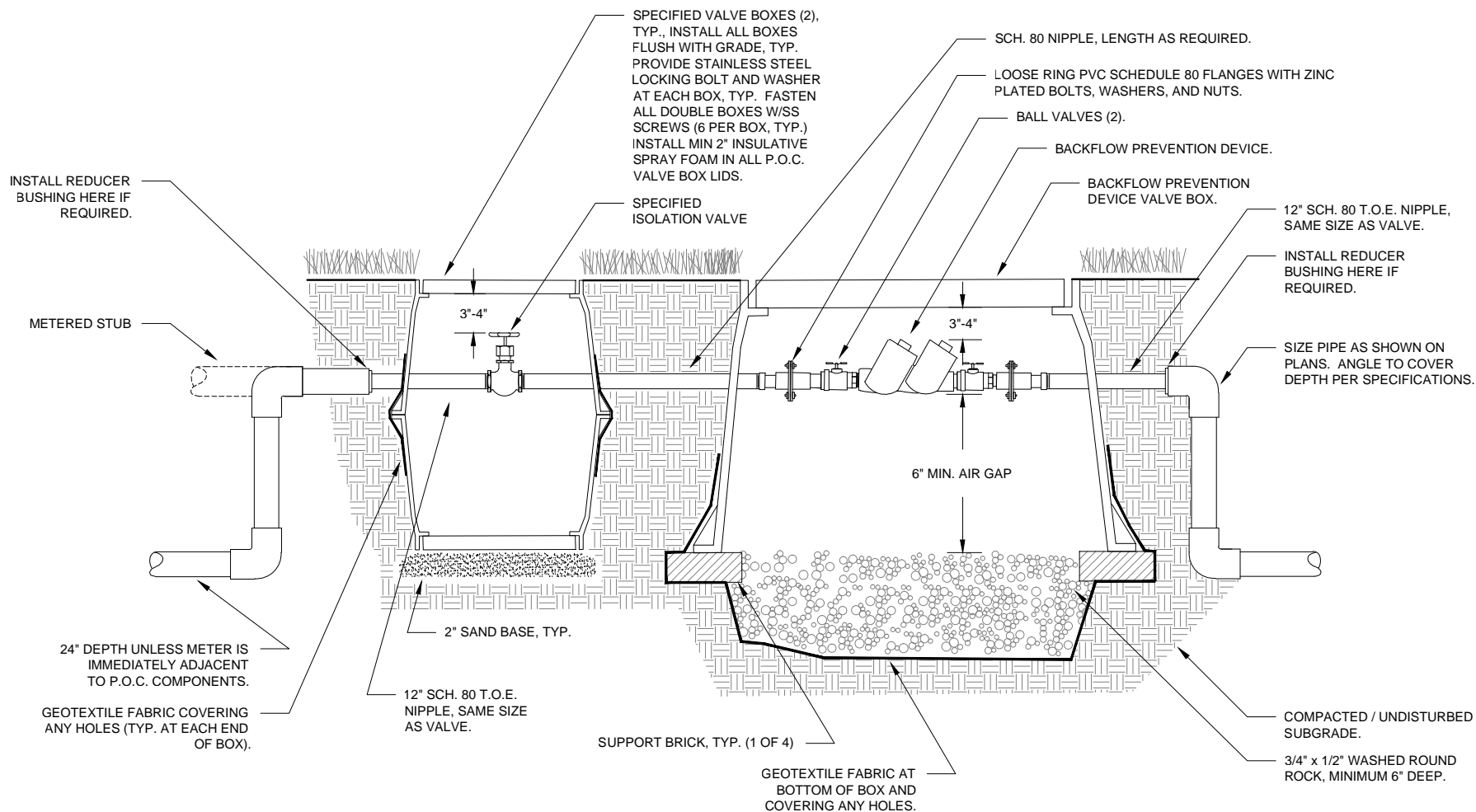
POINT OF CONNECTION

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POINT OF CONNECTION

REVISIONS	
DATE	DESCRIPTION
01/15	REMOVED BORE DRAIN, REV INSULATIVE LID



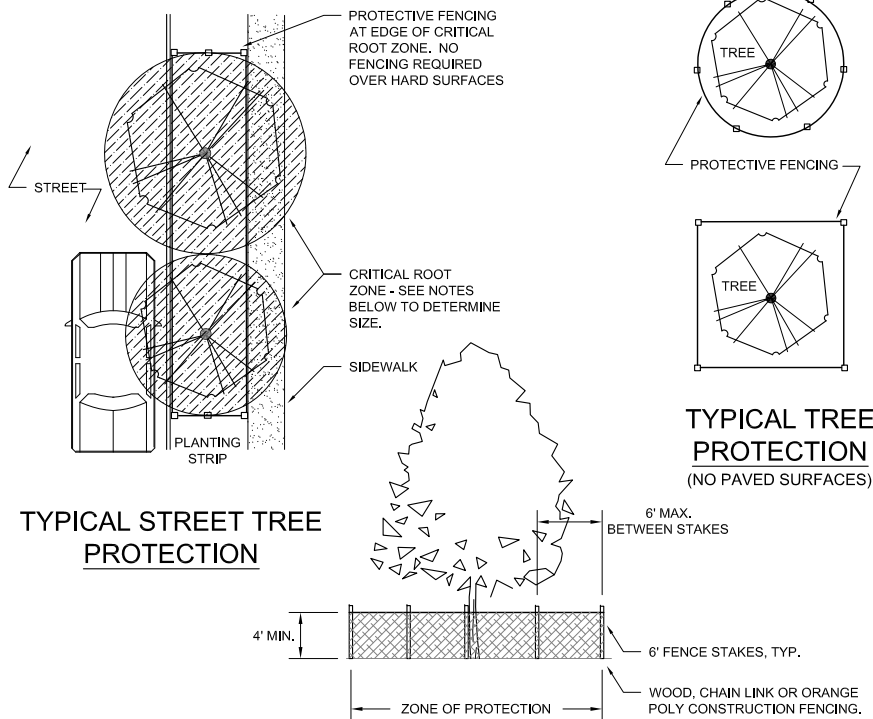
BACKFLOW PREVENTOR INSTALLATION

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BACKFLOW PREVENTOR

REVISIONS	
DATE	DESCRIPTION
01/15	SPRAY FOAM ON LID NOTE



FENCING

NOTES:

1. THE CRITICAL ROOT ZONE (CRZ) FOR TREES 4" DIAMETER AT BREAST HEIGHT (DBH) OR SMALLER SHALL BE AN AREA WITH A RADIUS AT LEAST 6' FROM THE TRUNK.
2. THE CRZ FOR TREES OVER 4" DBH SHALL BE AN AREA WITH A RADIUS OF AT LEAST 1' 6" FROM THE TRUNK FOR EVERY 1" OF DIAMETER SIZE.
3. NO SOIL GRADE CHANGES OR COMPACTION SHALL TAKE PLACE WITHIN THE CRZ, EXCEPT AS APPROVED.
4. NO STORAGE OF MATERIAL SHALL BE ALLOWED WITHIN THE CRZ.
5. IF WORK IS DONE WITHIN THE CRZ, CARE MUST BE TAKEN TO MINIMIZE ROOT DISTURBANCE. SPECIAL CARE SHALL BE TAKEN DURING EXCAVATION TO AVOID DAMAGE TO TREE ROOTS. LOCATE EXISTING TREE ROOTS USING HAND TOOLS, AN AIRSPADE, VACUUM EXCAVATION, OR OTHER APPROVED METHODS.
6. PROTECTIVE FENCING IS REQUIRED WHEN THE WORK AREA IS WITHIN THE CRZ OF TREES, EXCEPT WHERE PORTIONS OF THE CRZ ARE COVERED WITH PAVEMENT SUCH AS STREETS OR WALKS.
7. NO ROOT OVER 2" SHALL BE CUT WITHOUT APPROVAL OF THE URBAN FORESTER (OR AN APPROVED ARBORIST). ROOTS SHALL BE CUT WITH APPROVED SAWS. NO ROOTS OVER 2" SHALL BE CUT OR TORN DURING TRENCHING WITH POWER EQUIPMENT SUCH AS BACKHOES AND TRENCHERS.

TREE PROTECTION ZONE

NO CONSTRUCTION ACTIVITY, INCLUDING EXCAVATION, FILLING, DUMPING, DISCHARGE, OR STORAGE OF MATERIALS OR EQUIPMENT PERMITTED IN THIS AREA

KEEP OUT

FOR MORE INFORMATION CONTACT

OR THE CITY OF EUGENE,
PUBLIC WORKS,
ENGINEERING
(541) 682-5291



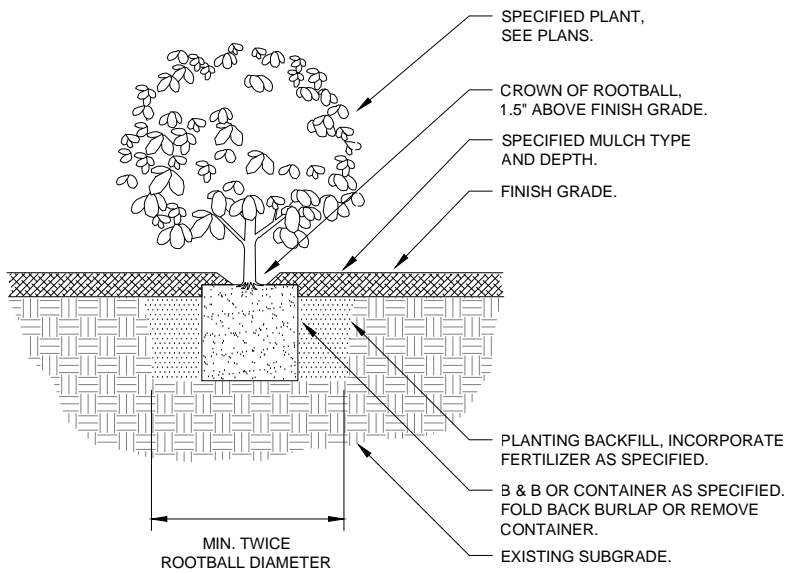
TREE PROTECTION NOTICE

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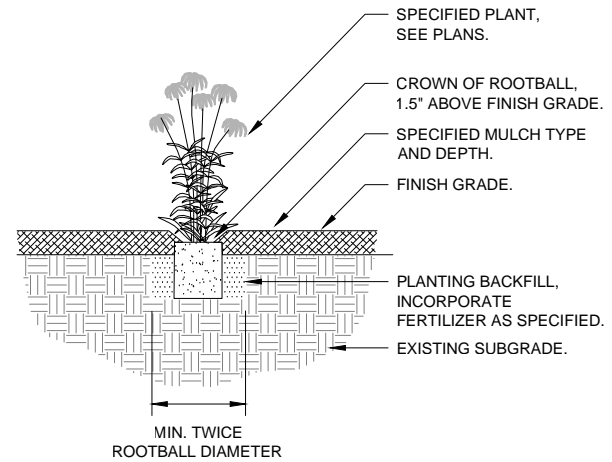


TREE PROTECTION

REVISIONS	
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01/15	UPDATED TITLE BLOCK
01/16	UPDATED NOTICE SIGN AND NOTES LANGUAGE



SHRUB PLANTING



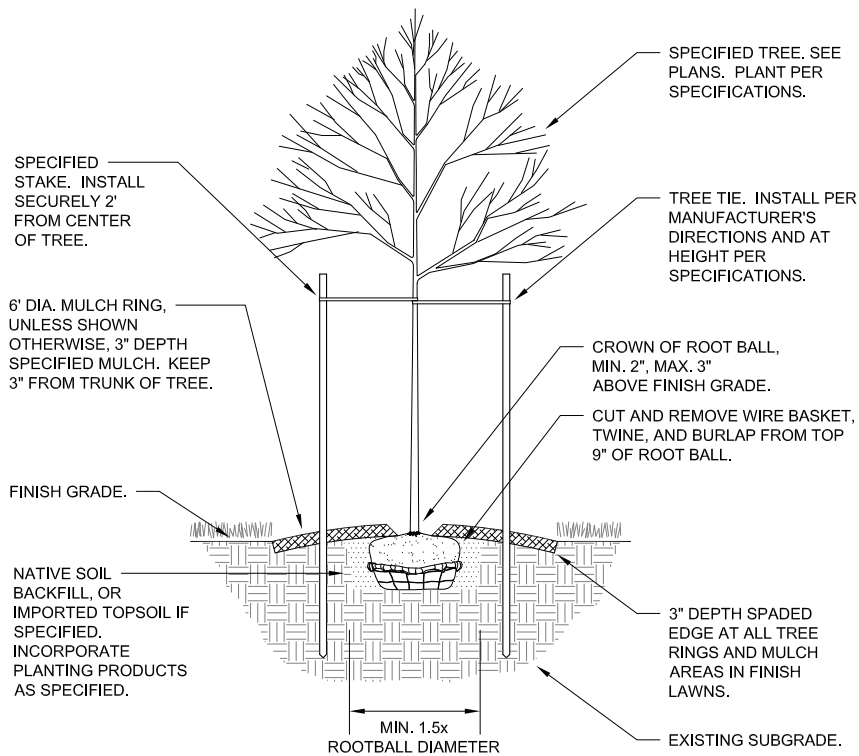
PERENNIAL PLANTING

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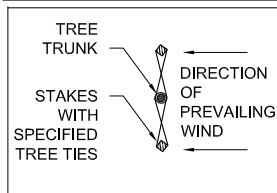


SHRUB & PERENNIAL PLANTING

REVISIONS	
DATE	DESCRIPTION
01/15	UPDATE TITLE BLOCK

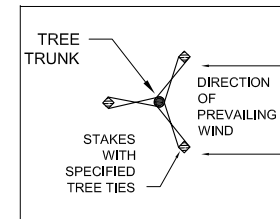
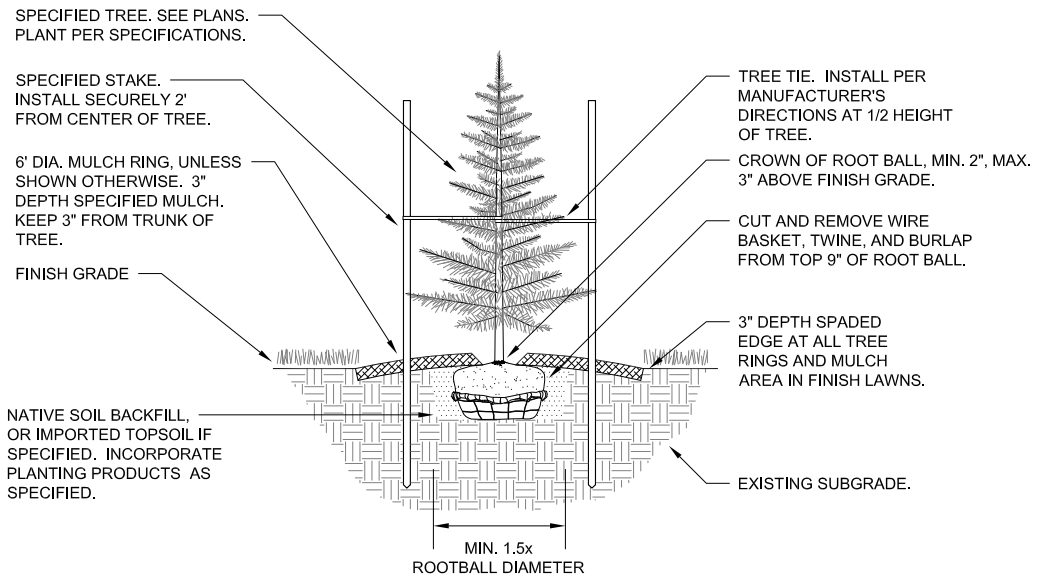


DECIDUOUS TREE STAKING DETAIL:



DECIDUOUS TREE PLANTING & STAKING

NOTE: DO NOT STAKE TREES IN TREE GRATES.



EVERGREEN TREE PLANTING & STAKING

CITY OF EUGENE
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TREE PLANTING & STAKING

REVISIONS	
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01/16	ADDED TREE GRATE NOTE

ENSURE SOIL UNDER TREE IS THOROUGHLY SETTLED. HAND TAMP IF NECESSARY DURING SOIL PLACEMENT OR PRIOR TO PLANTING.

SPECIFIED TREE. SEE PLANS. PLANT PER SPECIFICATIONS AND PLANTING DETAILS.

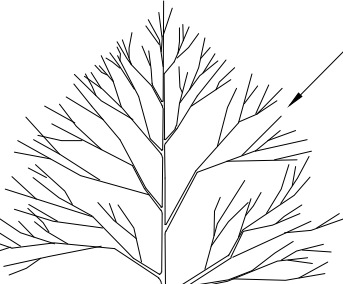
EXPANDED ROOT ZONE SOIL. EXTENTS SHOWN ON PLANS. CONTACT PROJECT MANAGER FOR APPROVAL TO STOP EXCAVATION IF NATIVE SOIL IS ENCOUNTERED AT LESS THAN 4' DEPTH. BACKFILL WITH SPECIFIED TOPSOIL IN MAXIMUM 12" LIFTS AND THOROUGHLY WATER SETTLE PRIOR TO PLACING NEXT LIFT. DEPTH MAY VARY BASED ON NATIVE SOIL CONDITIONS AND DEPTH ENCOUNTERED.

6" X 6" THICKENED EDGE W/ #4 BAR CONT.

EXISTING OR PROPOSED CURB AND BASE MATERIAL PRESERVE AND PROTECT STABILITY DURING EXCAVATION WORK. SEE CONSTRUCTION PLANS.

NATIVE SOIL OR SUBGRADE MATERIAL.

ALL EXCAVATION SHALL BE PERFORMED WITH A TOOTHED BUCKET OR OTHERWISE SCARIFIED TO A MIN. 4" DEPTH. OBTAIN PROJECT MANAGER APPROVAL OF EXCAVATED AREAS PRIOR TO INITIAL SOIL PLACEMENT.



TREE GRATE OR LANDSCAPE AREA AS SHOWN. SEE PLANS. INSTALL TREE GRATES PER MANUFACTURER'S INSTRUCTIONS.

MULCH TYPE AND DEPTH AS SPECIFIED, TYP.

FINISH GRADE, MAX. 4" BELOW TOP OF CONCRETE, TYP.

6" X 6" THICKENED EDGE WITH #4 BAR CONTINUOUS AROUND TREE WELL, TYP.

5" THICK CONCRETE SIDEWALK.

4" DEPTH 3/4" MINUS CRUSHED ROCK, COMPACT 95%.

NATIVE SOIL OR SUBGRADE MATERIAL, COMPACT 95% OUTSIDE OF EXPANDED ROOT ZONE AREA.

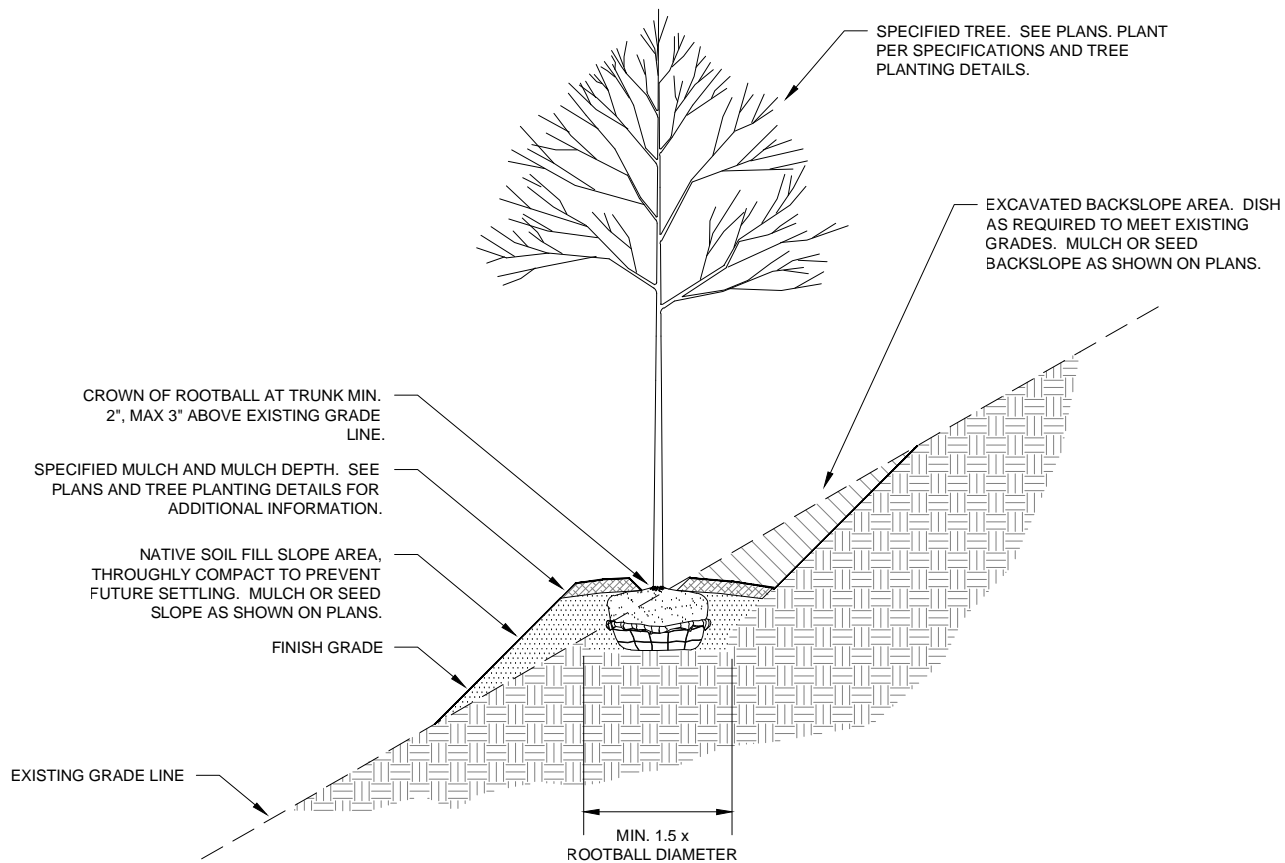
EXPANDED ROOT ZONE SEE PLANS FOR LIMITS

CITY OF EUGENE STANDARD DRAWING AMENDMENT



EXPANDED ROOT ZONE AREA

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01/15	UPDATED CROSS SECTION



TREE PLANTING - SLOPE

NOTE:

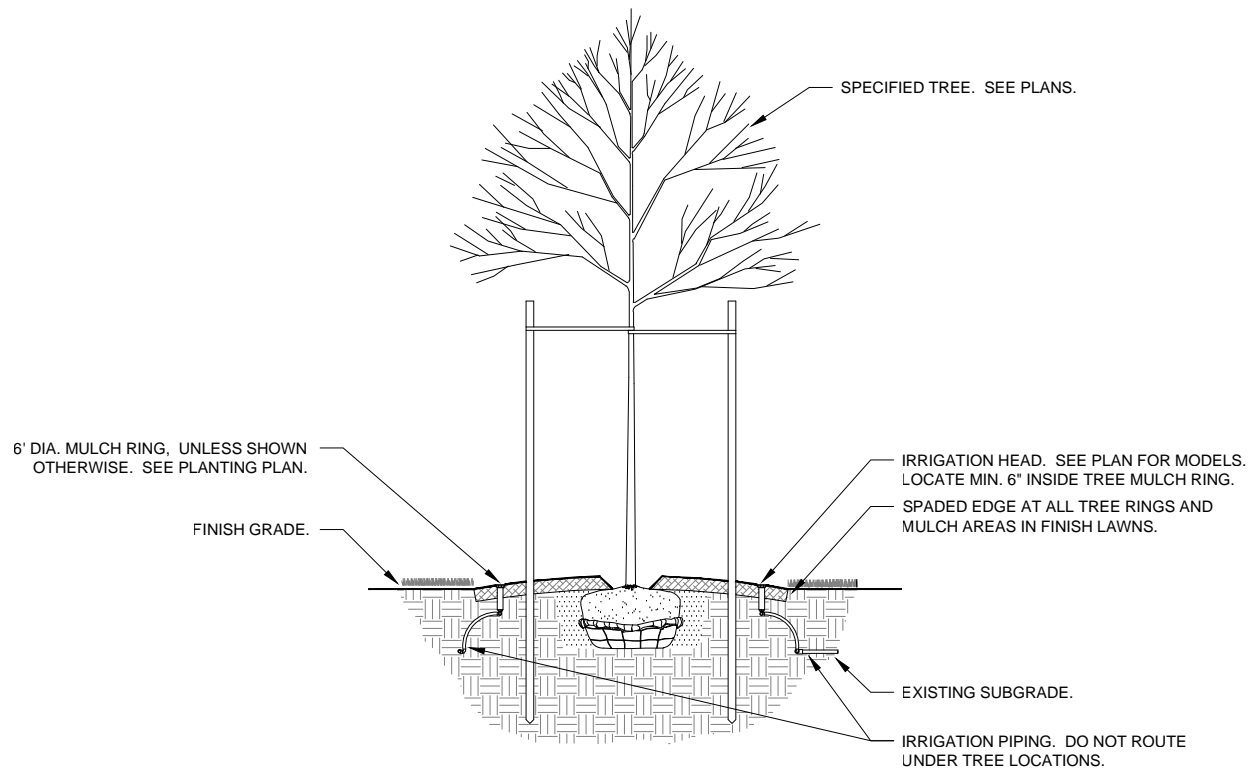
1. SEE DRAWING **LS126** FOR ADDITIONAL INFORMATION ON PLANTING AND STAKING INSTALLATION.

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AMENDMENT



TREE PLANTING - SLOPE

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REMOTE TREE IRRIGATION

CITY OF EUGENE
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AMENDMENT



REMOTE TREE IRRIGATION

REVISIONS	
DATE	DESCRIPTION
01/15	UPDATED TITLE BLOCK